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Abbreviations and Acronyms Used in This Index

ds = diastereoselective
es = enantioselective
rs = regioselective
ss = stereoselective

Ac	=	acetyl
acac	=	acetylacetonato
AIBN	=	2,2′-azobisisobutyronitrile
Ar	=	aryl
9-BBN	=	9-borabicyclo[3.3.1]nonane
(*S*)-BINAL-H	=	lithium (1,1′-binaphthalene-2,2′-diolato)-(ethanolato)hydridoaluminate
bpy	=	2,2′-bipyridine
Boc	=	*tert*-butoxycarbonyl
Bu	=	butyl
s-Bu	=	*sec*-butyl
t-Bu	=	*tert*-butyl
CAN	=	ammonium cerium(IV) nitrate
CDI	=	1,1′-carbonyldiimidazole
chloramine-T	=	*N*-chloro-*p*-toluenesulfonamide, sodium salt
Cp	=	η^5-cyclopentadienyl
Cp*	=	η^5-pentamethylcyclopentadienyl
18-crown-6	=	1,4,7,10,13,16-hexaoxacyclooctadecane
DABCO	=	1,4-diazabicyclo[2.2.2]octane
DBN	=	1,5-diazabicyclo[4.3.0]non-5-ene
DBU	=	1,8-diazabicyclo[5.4.0]undec-7-ene
DCC	=	dicyclohexylcarbodiimide
DDQ	=	2,3-dichloro-5,6-dicyano-1,4-benzoquinone
DEAD	=	diethyl azodicarboxylate
DET	=	diethyl tartrate
DIAD	=	diisopropyl azodicarboxylate
DIBAH	=	diisobutylaluminum hydride
DIMAD	=	dimethyl acetylenedicarboxylate
diphos	=	dppe
	=	ethylenebis(diphenylphosphine)
	=	1,2-bis(diphenylphosphino)ethane
DIPT	=	diisopropyl tartrate
DMA	=	*N,N*-dimethylacetamide
DMAP	=	4-dimethylaminopyridine
DME	=	1,2-dimethoxyethane
DMF	=	dimethylformamide
DMPU	=	1,3-dimethyl-3,4,5,6-tetrahydro-2(1*H*)-pyrimidinone
DMSO	=	dimethyl sulfoxide
DPMA-H	=	(diphenylmethylene)amine
DPPA	=	diphenyl phosphoroazidate
dppf	=	1,1′-bis(diphenylphosphino)ferrocene
dppp	=	1,3-bis(triphenylphosphino)propane
Et	=	ethyl
Fmoc	=	*N*-(9-fluorenyl)methoxycarbonyl
FVP	=	flash vacuum pyrolysis
Hdmg	=	dimethylglyoximato(1−)
HMPT	=	(or HMPA) hexamethylphosphoric triamide
Hünig's base	=	diisopropylethylamine
KHMDS	=	$KN(SiMe_3)_2$
	=	potassium hexamethyldisilazide
	=	potassium bis(trimethylsily)amide
K-Selectride	=	potassium tri-*sec*-butylborohydride
L	=	ligand
LDA	=	lithium diisopropylamide
LiHMDS	=	$LiN(SiMe_3)_2$
	=	lithium hexamethyldisilazide
	=	lithium bis(trimethylsily)amide
L-Selectride	=	lithium tri-*sec*-butylborohydride
M	=	metal
MCPBA	=	3-chloroperoxybenzoic acid
Me	=	methyl
MEM	=	(2-methoxyethoxy)methyl
MOM	=	methoxymethyl
Mosher esters	=	α-methoxy-α-(trifluoromethyl)phenylacetates
Ms	=	mesyl
	=	methanesulfonyl
NaHMDS	=	$NaN(SiMe_3)_2$
	=	sodium hexamethyldisilazide
	=	sodium bis(trimethylsily)amide
NBS	=	*N*-bromosuccinimide
NIS	=	*N*-iodosuccinimide
PCC	=	pyridinium chlorochromate
PDC	=	pyridinium dichromate
Ph	=	phenyl
PLE	=	pig liver esterase
PMDTA	=	pentamethyldiethylenetriamine
PPTS	=	pyridinium *p*-toluenesulfonate
Pr	=	propyl
i-Pr	=	isopropyl
Py	=	py (as ligand)
	=	pyridine
Red-Al	=	sodium bis(2-methoxyethoxy)aluminum hydride
SAMEMP	=	(*S*)-1-amino-2-(2-methoxyethoxymethyl)-pyrrolidine
SAMP	=	(*S*)-1-amino-2-(methoxymethyl)pyrrolidine
SEM	=	2-trimethylsilylethoxymethyl
TBAF	=	tetrabutylammonium fluoride
TBDMS	=	*tert*-butyldimethylsilyl
TBDPS	=	*tert*-butyldiphenylsilyl
TCDI	=	1,1′-thiocarbonyldiimidazole
Tf	=	triflyl
	=	trifluoromethanesulfonyl
TFA	=	trifluoroacetic acid
TFAA	=	trifluoroacetic anhydride
2-Th	=	2-thienyl
thexyl	=	1,1,2-trimethylpropyl
THF	=	tetrahydrofuran
THP	=	2-tetrahydropyranyl
TIPS	=	triisopropylsilyl
TMEDA	=	*N,N,N′,N′*-tetramethylethylenediamine
TMS	=	trimethylsilyl
Ts	=	tosyl
	=	*p*-toluenesulfonyl
Z	=	benzyloxycarbonyl

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